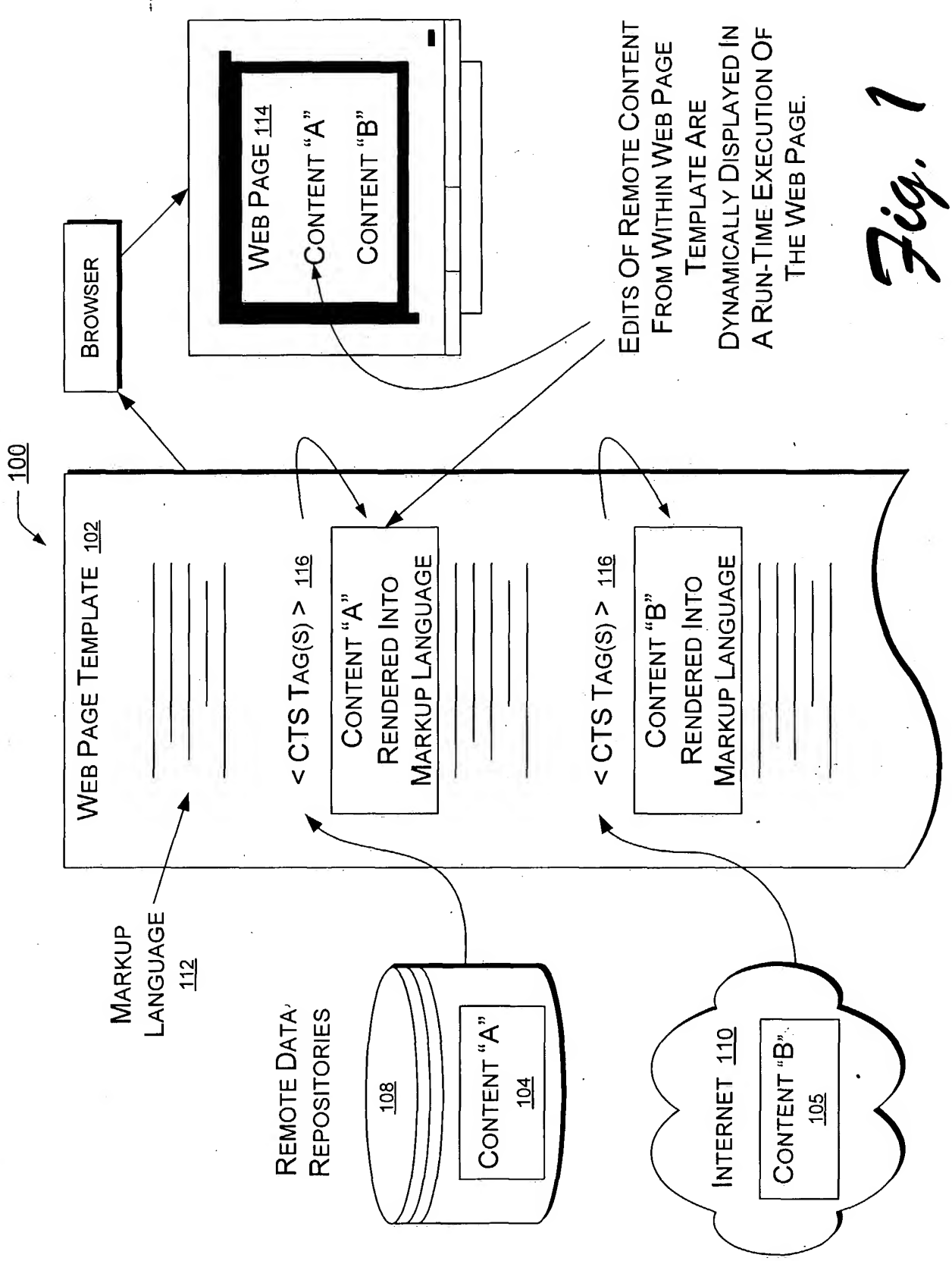
100
WEB PAGE TEMPLATE 102
BROWSER
WEB PAGE 114
CONTENT "A"
CONTENT "B"
EDITS OF REMOTE CONTENT FROM WITHIN WEB PAGE TEMPLATE ARE DYNAMICALLY DISPLAYED IN A RUN-TIME EXECUTION OF THE WEB PAGE.
< CTS TAG(S) > 116
CONTENT "A" RENDERED INTO MARKUP LANGUAGE
< CTS TAG(S) > 116
CONTENT "B" RENDERED INTO MARKUP LANGUAGE
MARKUP LANGUAGE 112
REMOTE DATA REPOSITORIES
108
CONTENT "A" 104
INTERNET 110
CONTENT "B" 105

Fig. 1

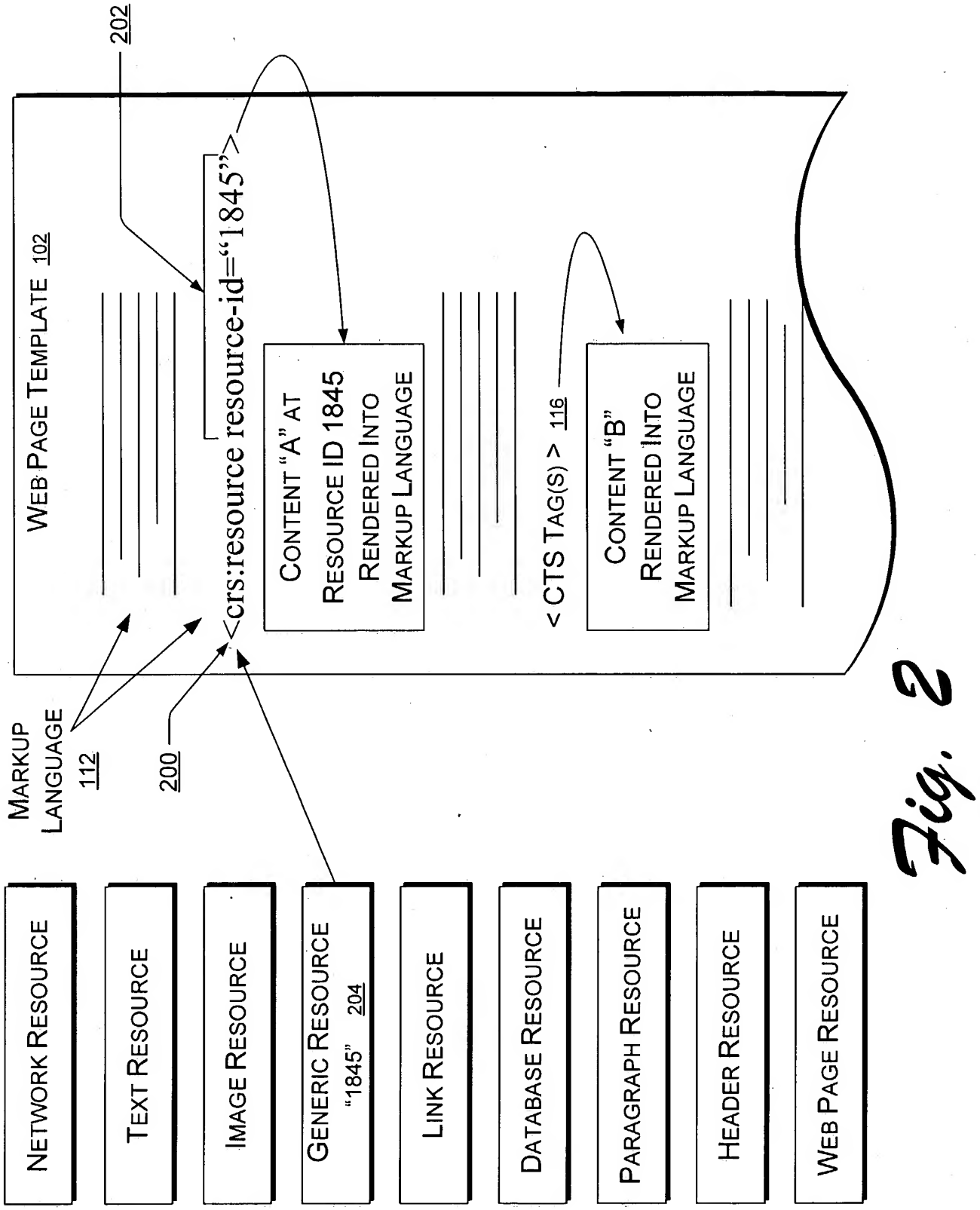
202
WEB PAGE TEMPLATE 102
<crs:resource resource-id="1845">
CONTENT "A" AT RESOURCE ID 1845 RENDERED INTO MARKUP LANGUAGE
< CTS TAG(S) > 116
CONTENT "B" RENDERED INTO MARKUP LANGUAGE
MARKUP LANGUAGE 112
200
NETWORK RESOURCE
TEXT RESOURCE
IMAGE RESOURCE
GENERIC RESOURCE "1845" 204
LINK RESOURCE
DATABASE RESOURCE
PARAGRAPH RESOURCE
HEADER RESOURCE
WEB PAGE RESOURCE

Fig. 2

EXEMPLARY SCREEN SHOT

300

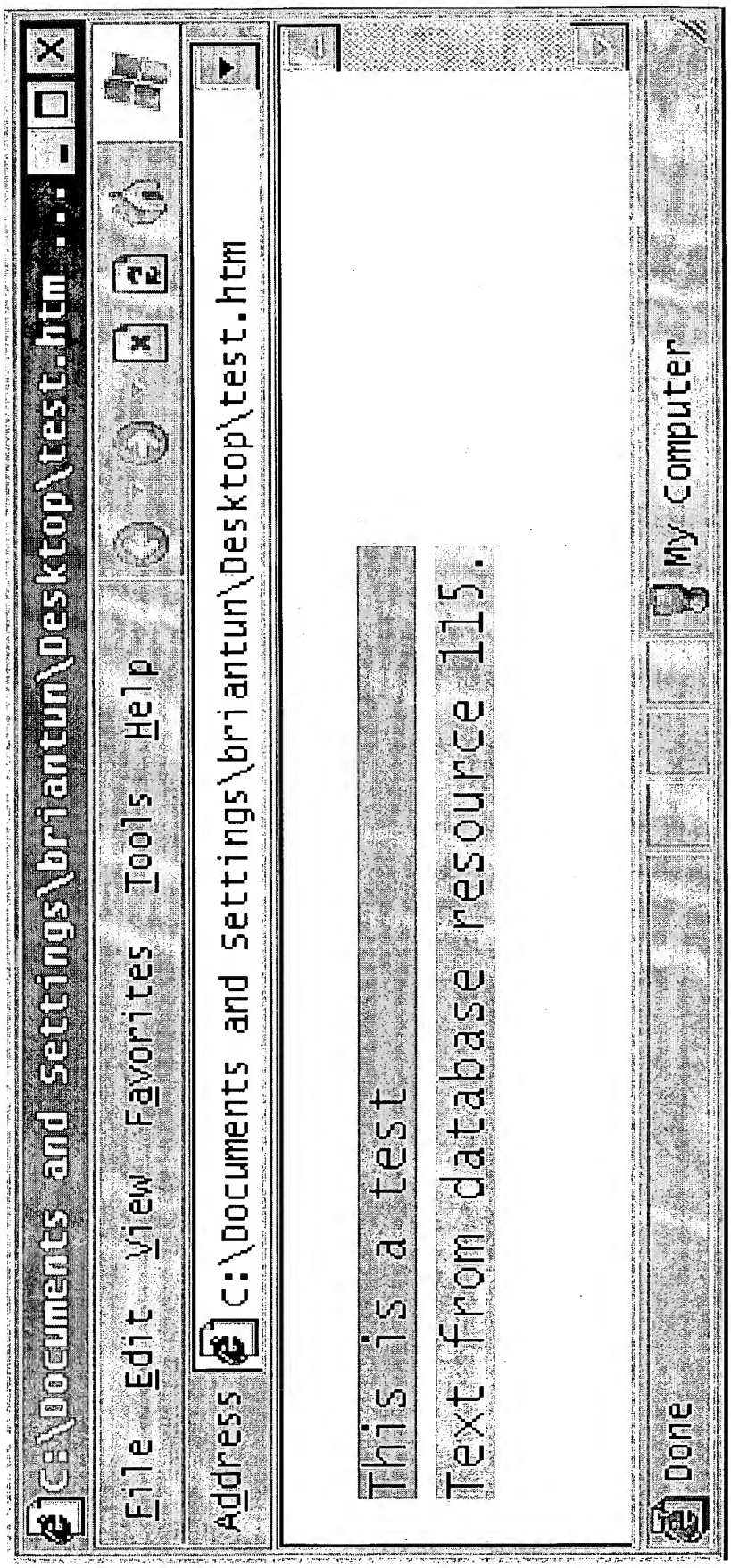

Fig. 3

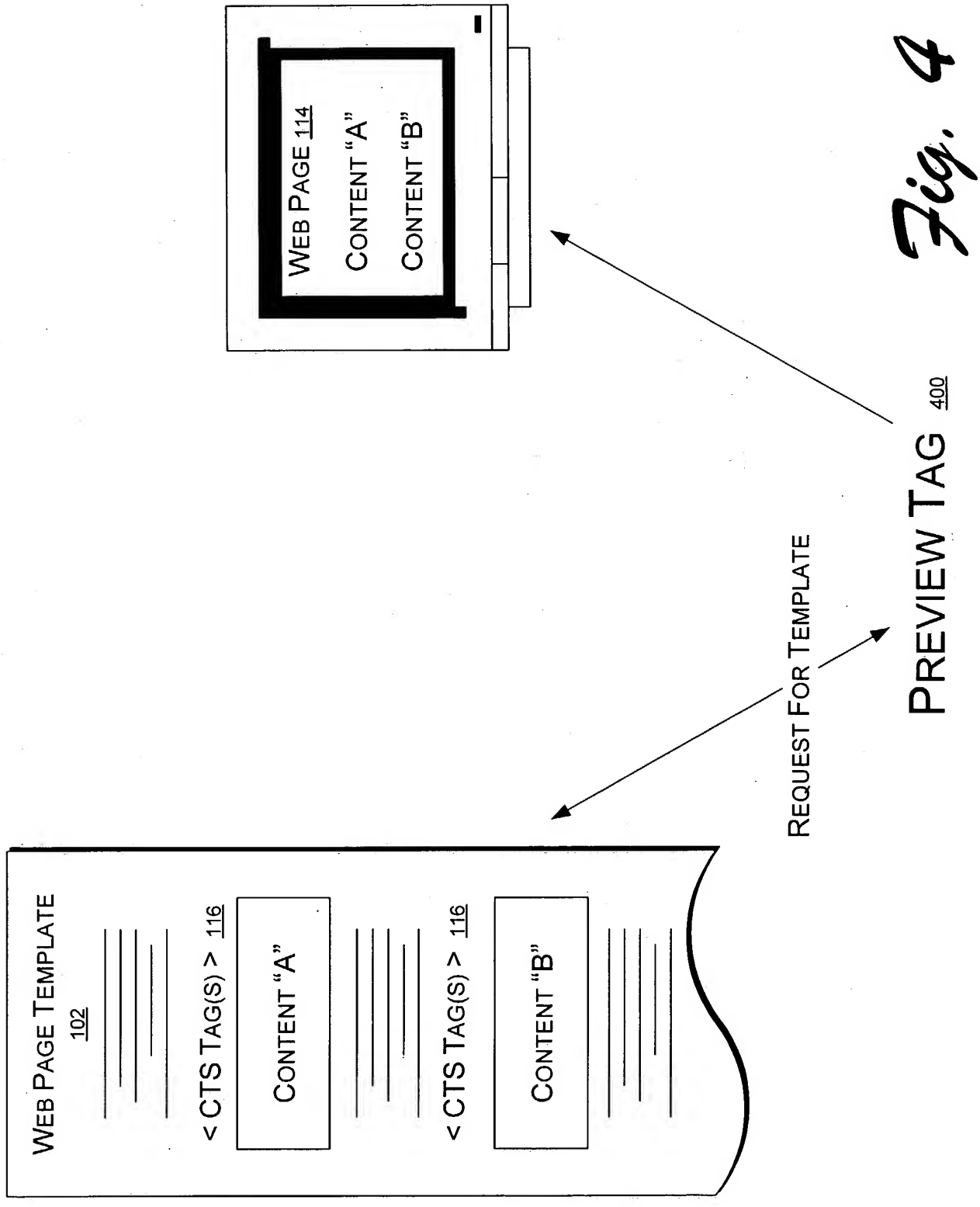
WEB PAGE TEMPLATE
102
< CTS TAG(S) > 116
CONTENT "A"
< CTS TAG(S) > 116
CONTENT "B"
REQUEST FOR TEMPLATE
PREVIEW TAG 400
WEB PAGE 114
CONTENT "A"
CONTENT "B"

Fig. 4

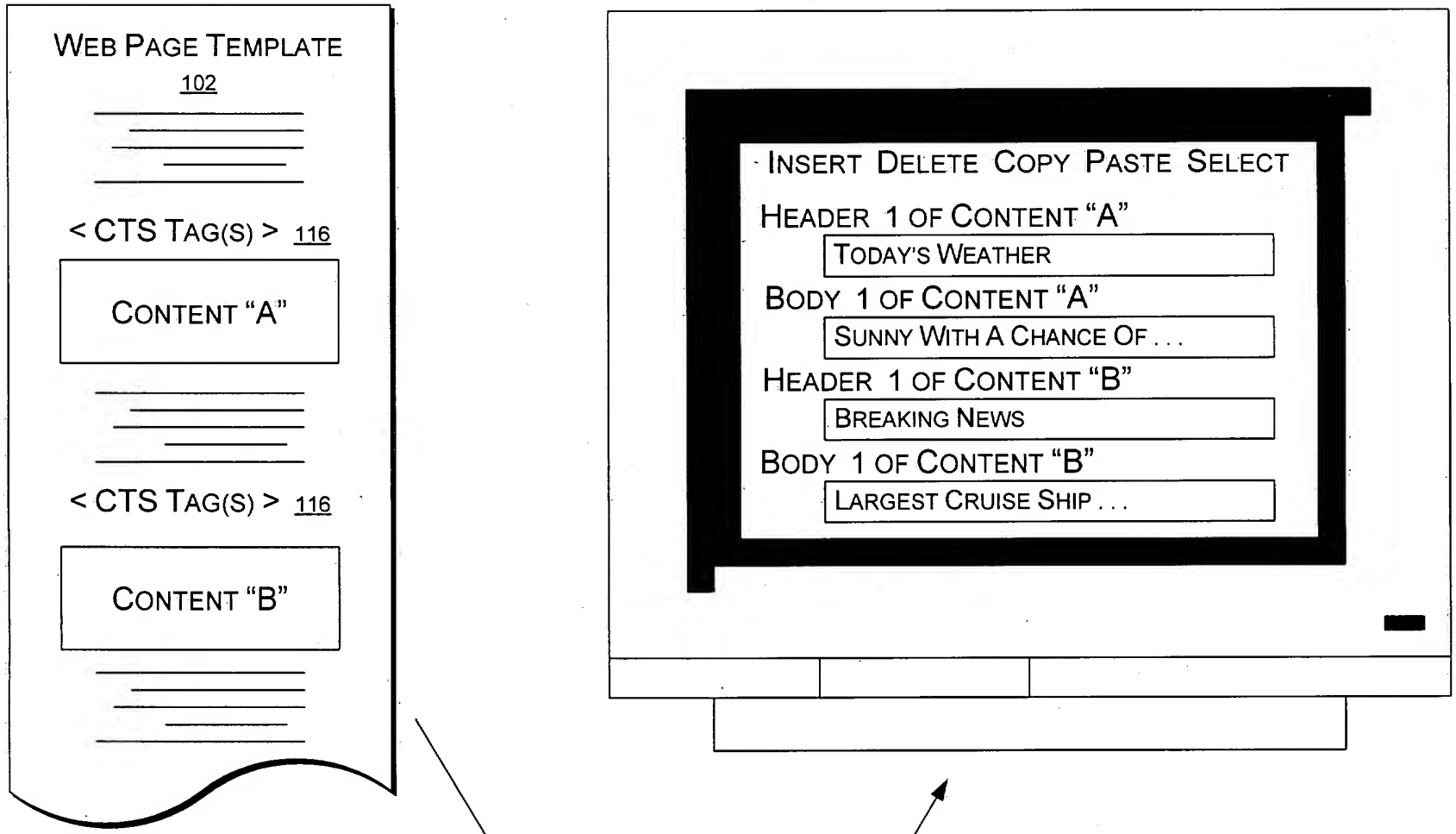
WEB PAGE TEMPLATE
102
< CTS TAG(S) > 116
CONTENT "A"
< CTS TAG(S) > 116
CONTENT "B"
INSERT DELETE COPY PASTE SELECT
HEADER 1 OF CONTENT "A"
TODAY'S WEATHER
BODY 1 OF CONTENT "A"
SUNNY WITH A CHANCE OF . . .
HEADER 1 OF CONTENT "B"
BREAKING NEWS
BODY 1 OF CONTENT "B"
LARGEST CRUISE SHIP . . .
EDIT-MODULE TAG 500

Fig. 5

EXEMPLARY SCREEN SHOT 600

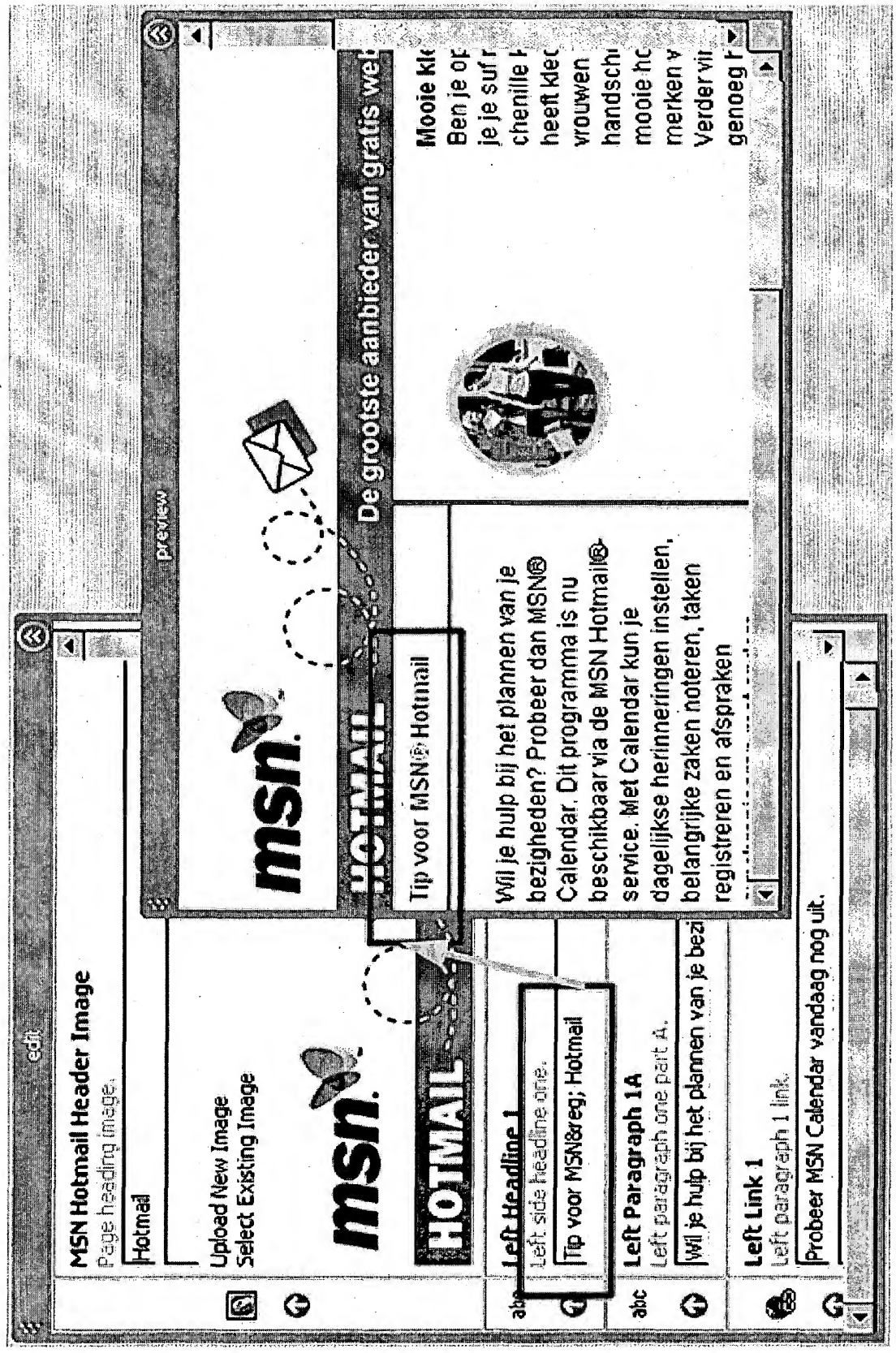

Fig. 6

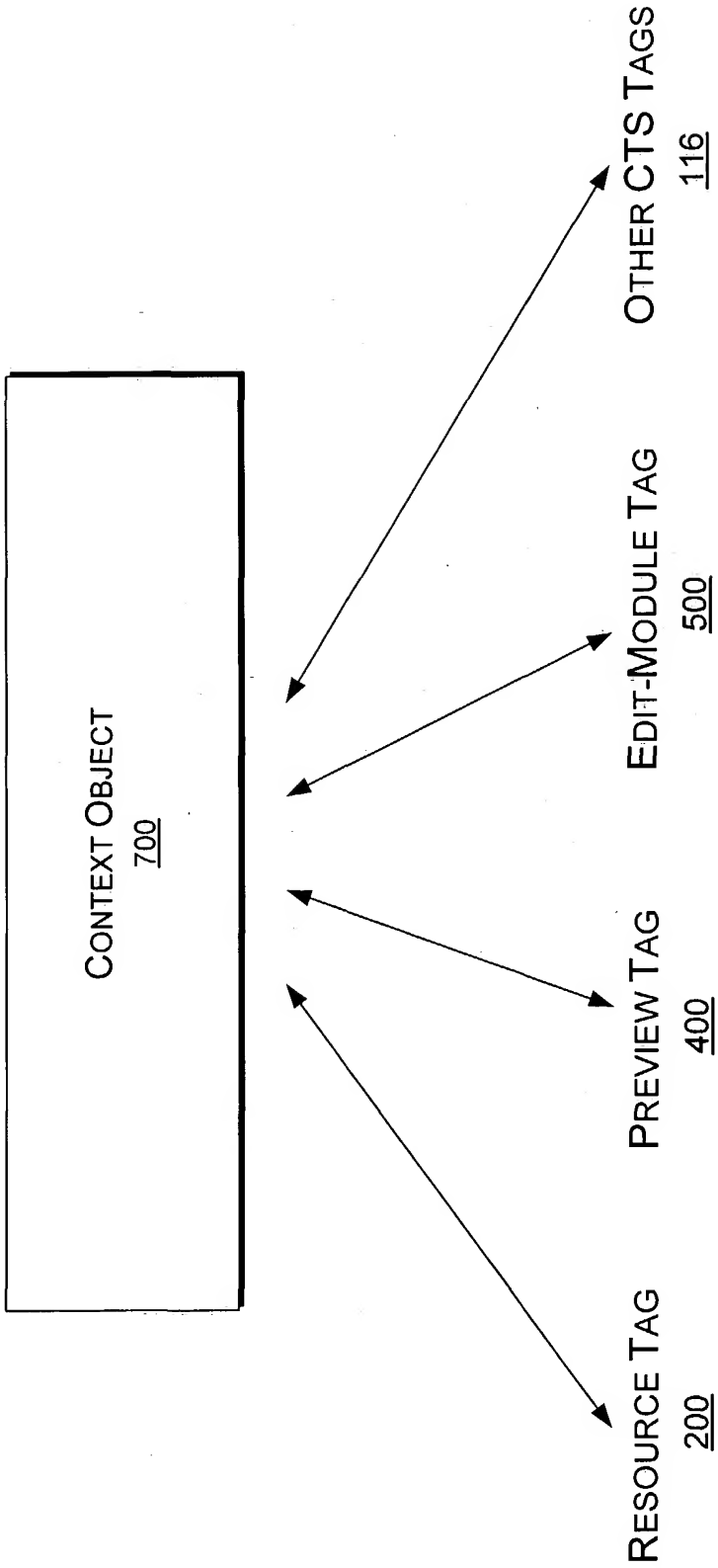
CONTEXT OBJECT
700
RESOURCE TAG
200
PREVIEW TAG
400
EDIT-MODULE TAG
500
OTHER CTS TAGS
116

Fig. 7

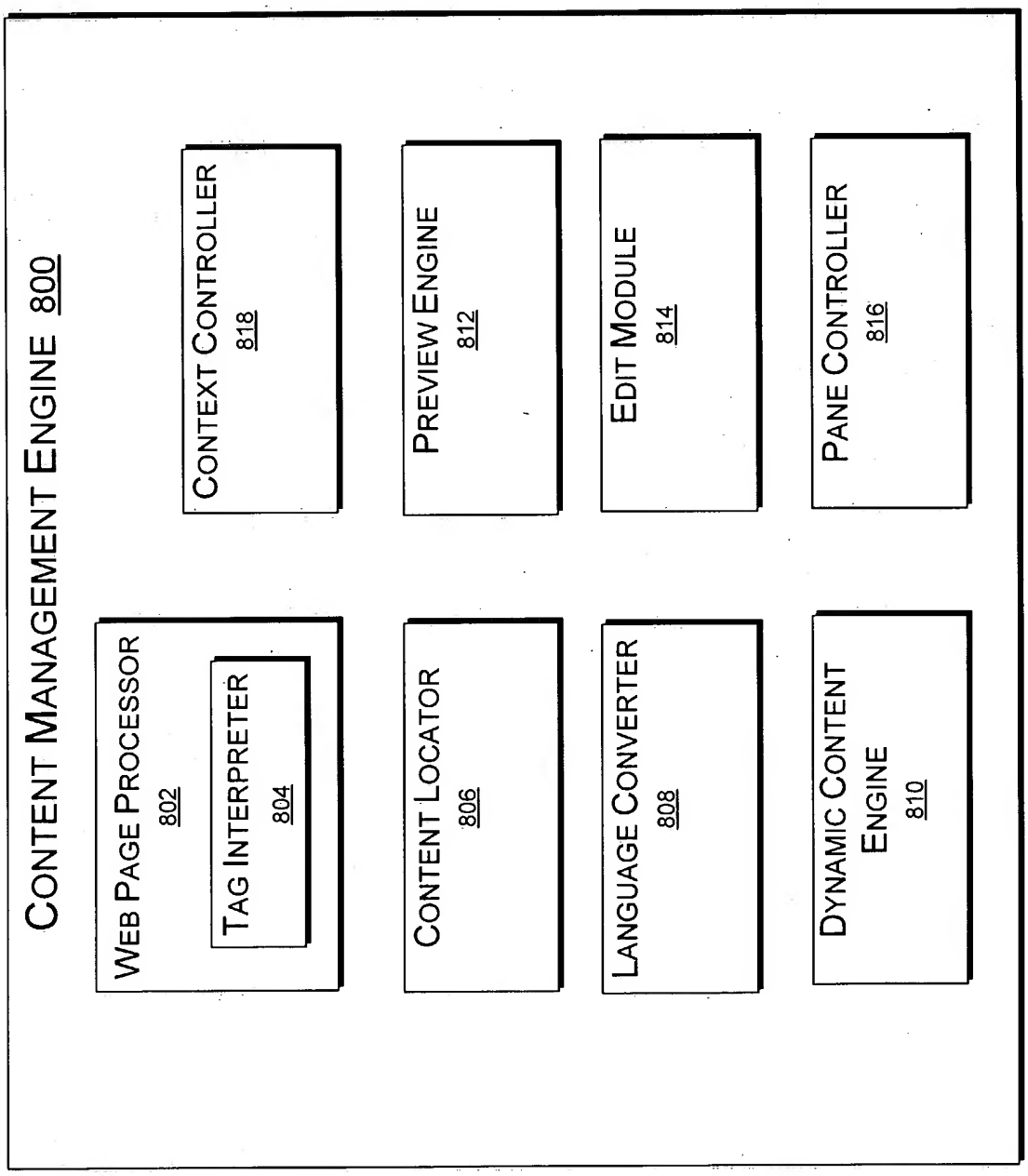
CONTENT MANAGEMENT ENGINE 800
WEB PAGE PROCESSOR 802
TAG INTERPRETER 804
CONTENT LOCATOR 806
LANGUAGE CONVERTER 808
DYNAMIC CONTENT ENGINE 810
CONTEXT CONTROLLER 818
PREVIEW ENGINE 812
EDIT MODULE 814
PANE CONTROLLER 816

Fig. 8

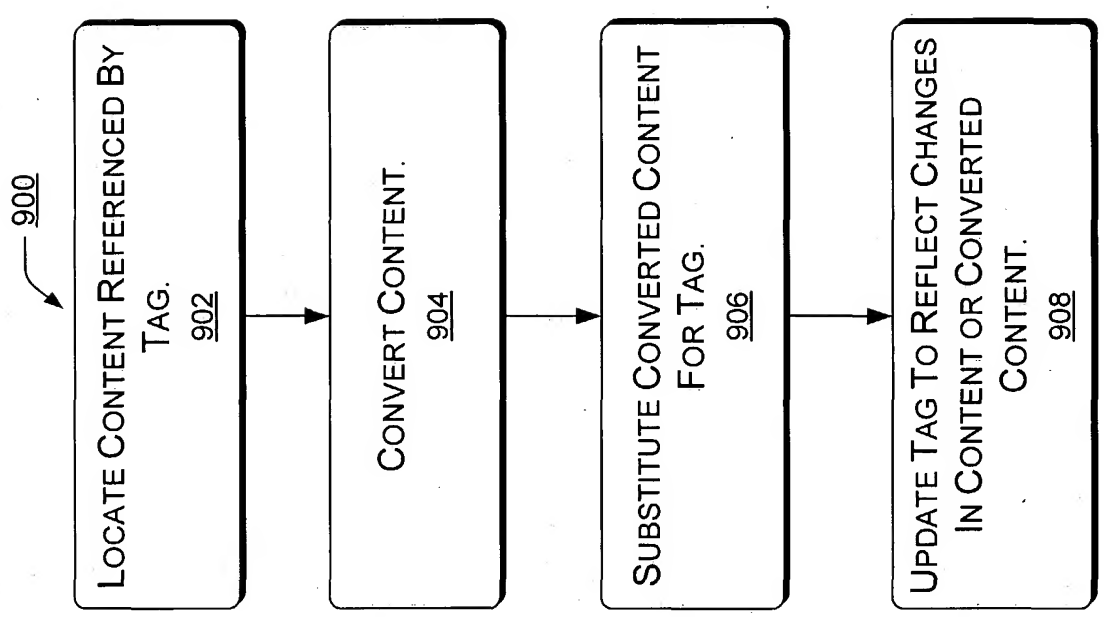
900
LOCATE CONTENT REFERENCED BY TAG.
902
CONVERT CONTENT.
904
SUBSTITUTE CONVERTED CONTENT FOR TAG.
906
UPDATE TAG TO REFLECT CHANGES IN CONTENT OR CONVERTED CONTENT.
908

Fig. 9

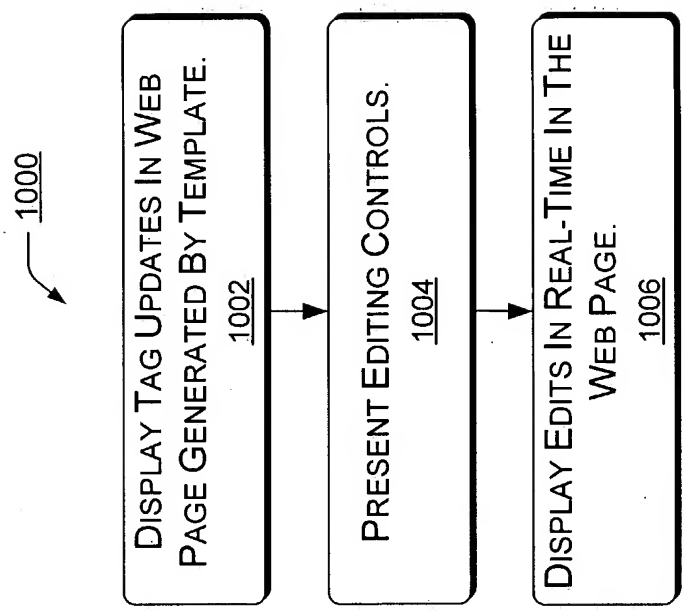
1000
DISPLAY TAG UPDATES IN WEB PAGE GENERATED BY TEMPLATE.
1002
PRESENT EDITING CONTROLS.
1004
DISPLAY EDITS IN REAL-TIME IN THE WEB PAGE.
1006

Fig. 10

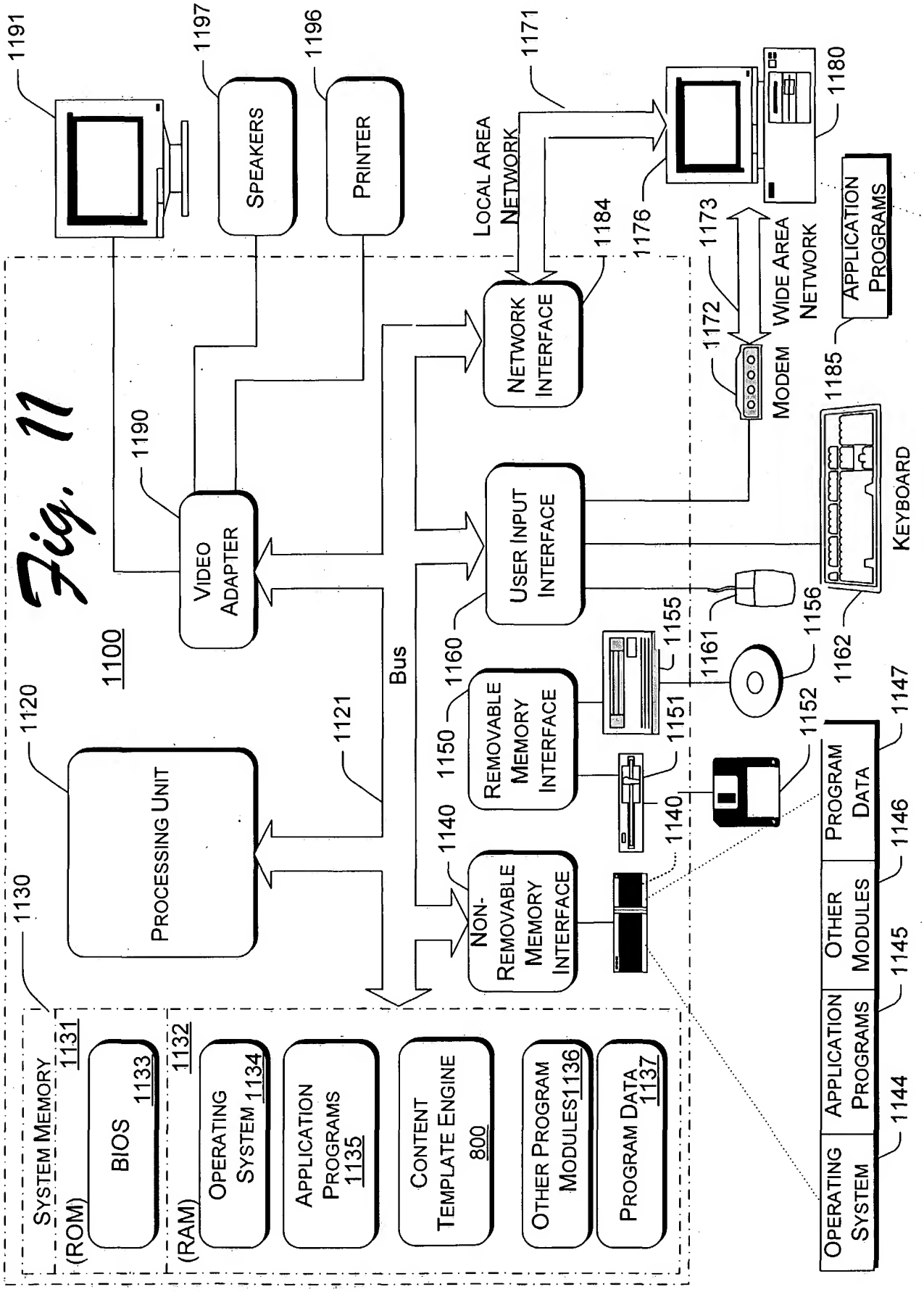
Fig. 11
1100
1191
1197
SPEAKERS
1196
PRINTER
1171
LOCAL AREA NETWORK
1180
1176
1173
1172
MODEM
WIDE AREA NETWORK
APPLICATION PROGRAMS
1185
1184
NETWORK INTERFACE
1190
VIDEO ADAPTER
USER INPUT INTERFACE
KEYBOARD
1155
1156
1161
1162
1160
REMOVABLE MEMORY INTERFACE
1150
1151
1152
1147
1120
PROCESSING UNIT
1121
Bus
1140
NON-REMOVABLE MEMORY INTERFACE
1140
PROGRAM DATA
1146
OTHER MODULES
1145
APPLICATION PROGRAMS
1144
OPERATING SYSTEM
1130
SYSTEM MEMORY
(ROM)
1131
BIOS
1133
(RAM)
1132
OPERATING SYSTEM 1134
APPLICATION PROGRAMS 1135
CONTENT TEMPLATE ENGINE 800
OTHER PROGRAM MODULES 1136
PROGRAM DATA 1137